

L5 ANSWER 58 OF 575 CA COPYRIGHT 2004 ACS on STN  
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 TI Manufacture of plugging **cement-barite-fly ash**  
 mortar for casing of wells  
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 SO Russ., No pp. given  
 CODEN: RUXXE7

DT Patent  
 LA Russian  
 IC ICM E21B033-138  
 ICS E21B021-06  
 CC 58-3 (Cement, Concrete, and Related Building Materials)  
 Section cross-reference(s): 51

FAN.CNT 1

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PI	RU 2161695	C2	20010110	RU 1998-122632	19981215
PRAI	RU 1998-122632		19981215		

AB New plugging mortar is used for drilling oil and gas wells in formations  
 with abnormally high pressures within temp. range of 60-140.degree..  
 Grouting mortar contains Portland **cement** 15.38-25.74, barite  
 22.06-46.15, power station fly ashes 15.38-25.74 wt.%, and **water**  
 in the balance. Portland **cement** is first mixed with fly ashes  
 and resulting mixt. is then introduced into vacuum hydraulic mixer  
 simultaneously with 70-80 wt. % of barite based on its projected amt. and  
**water** fed under pressure. The obtained **slurry** is  
 stirred and hydraulically activated in hydraulic mixer. After addn. of  
 the rest of barite, hydraulic activation of soln. is repeated several  
 times at pressure of 8-12 MPa. The resulting grout has increased heat  
 resistance and strength of **cement** stone.  
 ST plugging **cement** mortar **fly ash** barite oil  
 well  
 IT Mortar